FIG. 1

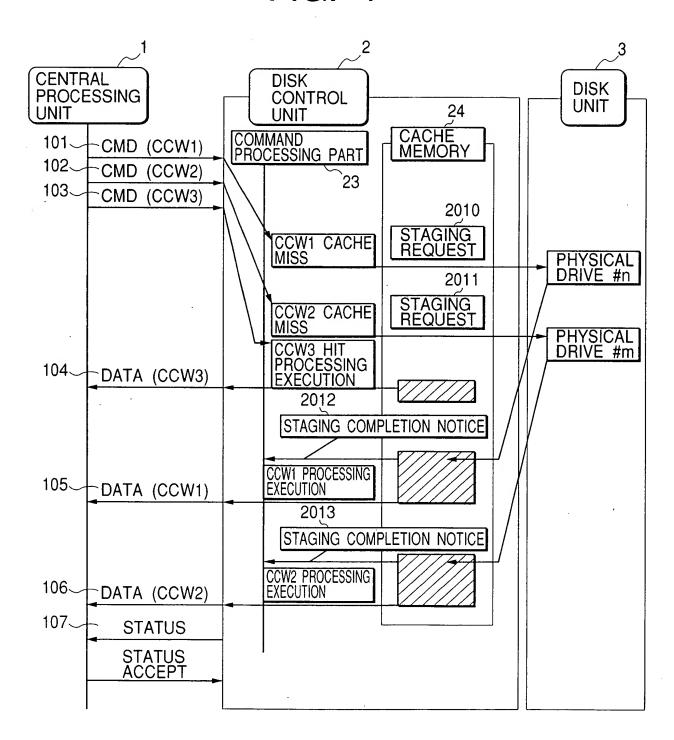
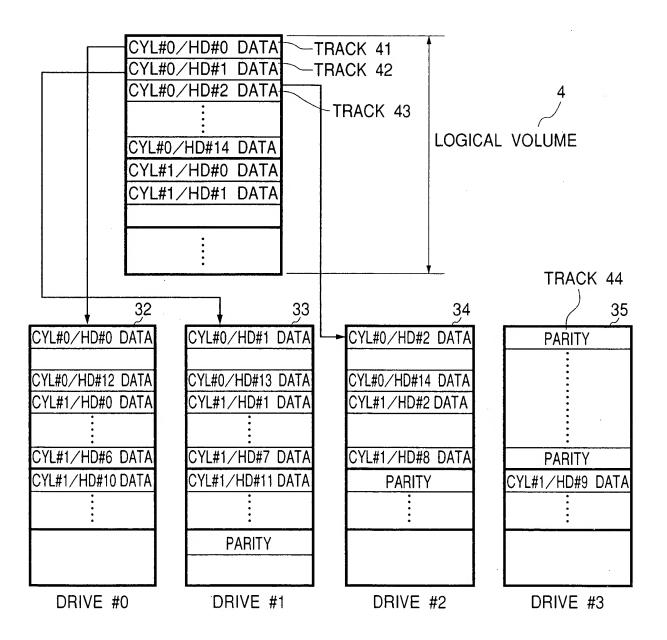


FIG. 3



I/O REQUEST COMMON INFORMATION
RESERVED CNT IP OP
CCW MANAGEMENT INFORMATION 1
CCW MANAGEMENT INFORMATION 2
CCW MANAGEMENT INFORMATION 3
:
:
CCW MANAGEMENT INFORMATION n

I/O REQUEST #0 MANAGEMENT AREA

CNT: NUMBER OF ENTERED ITEMS OF CCW MANAGEMENT INFORMATION

IP: INDICATES THE AREA OF CCW MANAGEMENT INFORMATION ENTERED MOST RECENTLY

OP: INDICATES THE AREA OF CCW MANAGEMENT INFORMATION ENTERED EARLIEST

I/O REQUEST COMMON INFORMATION: I/O PROCESSING STATUS

INFORMATION

I/O STATUS INFORMATION: STATUS RECEIVE STATUS OF ALL CCWs

(INDICATES WHETHER ALL STATUSES

WERE RECEIVED OR NOT)

CCW MANAGEMENT INFORMATION: CCW #, COMMAND CODE, CCW STATUS

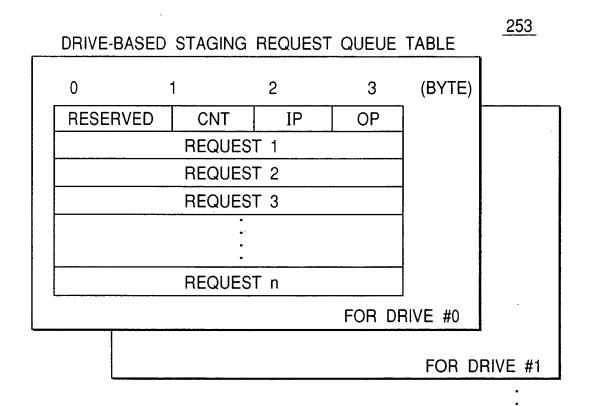
INFORMATION, STAGING REQUEST ID #,

DATA STORAGE DESTINATION MAIN

STORAGE ADDRESS

CW STATUS INFORMATION: CCW IN PROCESS, STATUS RECEIVE WAIT

FIG. 5



CNT: NUMBER OF ENTERED REQUESTS

IP: INDICATES THE AREA OF A REQUEST ENTERED MOST RECENTLY

OP: INDICATES THE AREA OF A REQUEST ENTERED EARLIEST

REQUEST CONTENTS: REQUEST ID (I/O REQUEST #), CCW #, TRANSFER START LBA #, TRANSFER END LBA #, NUMBER OF TRANSFERRED BYTES, NEX POINTER

254

STAGING ACTIVATION QUEUE TABLE

0	1	2	3	(BYTE)
RESERVED	CNT	IP	OP	
	REQUES	T 1		
	REQUES'	T 2		
	REQUES'	Т 3		
	•			
	•			
	REQUES:	Τn	:	

CNT: NUMBER OF ENTERED REQUESTS

IP: INDICATES THE AREA OF A REQUEST ENTERED MOST RECENTLY

OP: INDICATES THE AREA OF A REQUEST ENTERED EARLIEST

REQUEST CONTENTS : DRIVE #, REQUEST ID #

FIG. 7

255

STAGING COMPLETION REPORT QUEUING TABLE

	0	1	2	3	(BYTE)
Γ	RESERVED	CNT	IP	OP	
	COM	PLETION I	REPORT 1		
F	COM	IPLETION I	REPORT 2	2	,
	COM	IPLETION I	REPORT 3	}	
		•			1
		•			
	COM	IPLETION I	REPORT r	1]

CNT: NUMBER OF ENTERED COMPLETION REPORTS

IP: INDICATES THE AREA OF A COMPLETION REPORT MOST RECENTLY

OP: INDICATES THE AREA OF A COMPLETION REPORT ENTERED EARLIEST

REQUEST CONTENTS: DRIVE #, REQUEST ID #, END STATUS

							2560	<u>256</u>
RESE CCW CCW	RVED / MANA / MANA	CNT GEMENT GEMENT GEMENT	INFOR	P MAT MAT	ION	OP 1 - 2	2561	
CCM	/ MANA	: GEMENT	INFOR	MAT	ION	n	-	
		REQUES					T TABLE	
		I/	O RE	QUES	ST :	#1 MA	NAGEMEN	NT TABLE

CNT: NUMBER OF ENTERED ITEMS OF CCW MANAGEMENT INFORMATION

IP: INDICATES THE AREA OF CCW MANAGEMENT INFORMATION ENTERED MOST RECENTLY

OP: INDICATES THE AREA OF CCW MANAGEMENT INFORMATION ENTERED EARLIEST

I/O REQUEST COMMON INFORMATION: I/O REQUEST #

CCW MANAGEMENT INFORMATION: CCW #, COMMAND CODE, CCW STATUS INFORMATION, STAGING

REQUEST ID #,

CCW STATUS INFORMATION: CCW IN PROCESS, STATUS STAGING COMPLETION WAIT

257

DRIVE-BASED OPERATION MANAGEMENT TABLE							
	0	1	2	3		(BYTE)	
	R	ESERVED		CURRENT A	2570		
	AREA #0 AREA #1						
DRIVE #0	ACCES	S COUNT 1	AC	CESS COUN	IT 2		
DRIVE #1	ACCES	S COUNT 1	AC	CESS COUN	IT 2		
DRIVE #2	ACCESS COUNT 1			CESS COUN			
•			•				
DRIVE #n	ACCES	S COUNT 1	AC	CESS COUN	IT 2		

FIG. 10

258

 DRIVE-BASE	STAGING	REQUES	T SORT	TABLE	200	
0	1	2 ·	3	(BYTE)		
RESERVED	MRU	LRU	CNT			
	ENTRY 1					
				RIVE #0		
 DRIVE #1						

MUR: INDICATES THE AREA OF THE NEWEST ENTRY

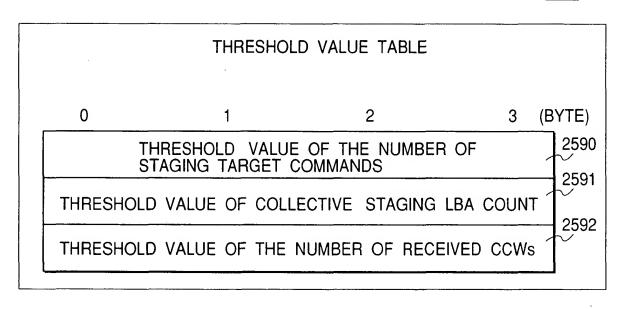
LRU: INDICATES THE AREA OF THE OLDEST ENTRY

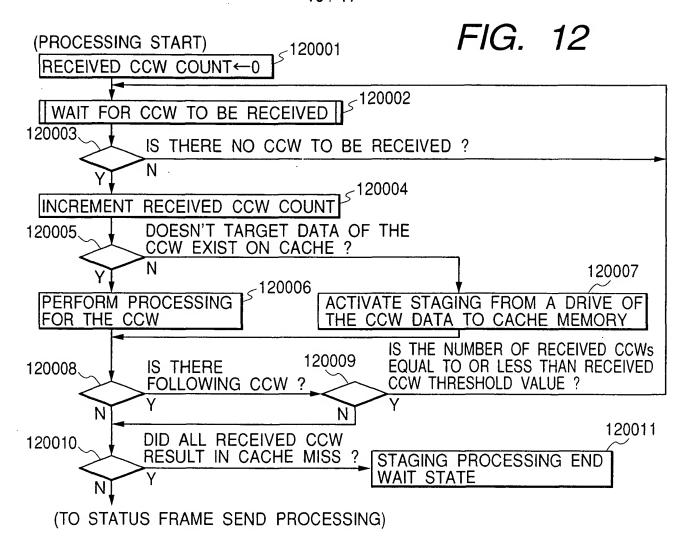
CNT: NUMBER OF ENTRIES

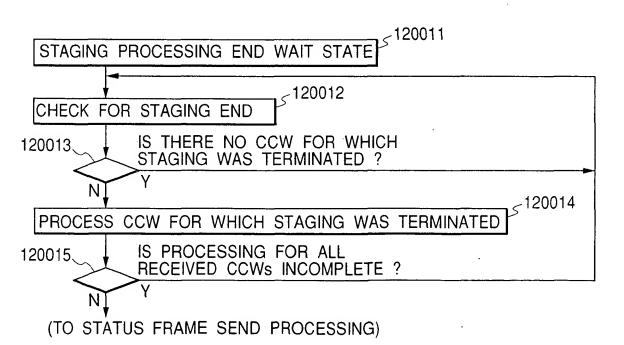
REQUEST CONTENTS: REQUEST ID #/(I/O REQUEST #), CCW #, TRANSFER START LBA #, TRANSFER END LBA #,

NUMBER OF TRANSFERRED BYTES

259







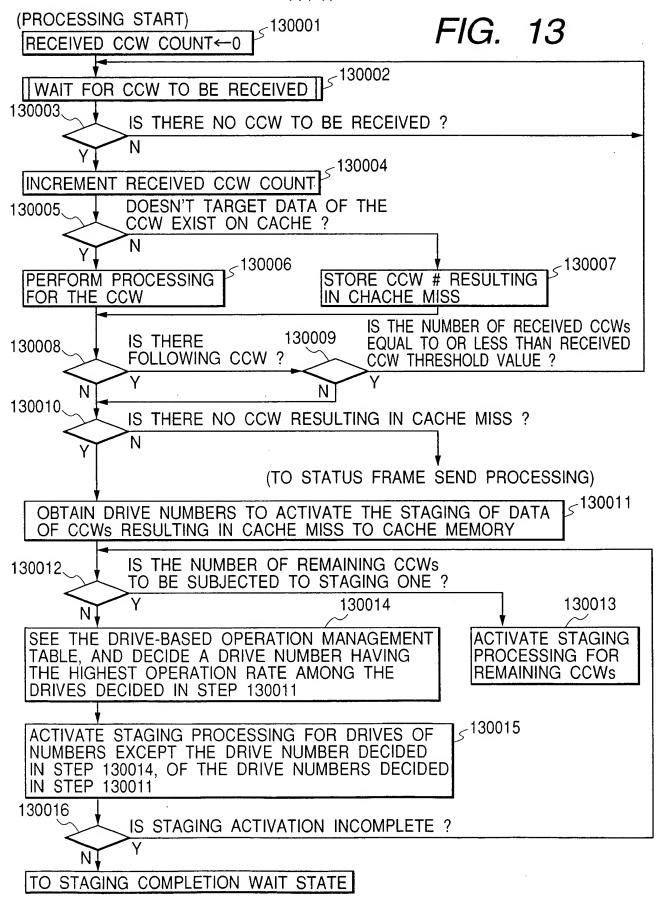
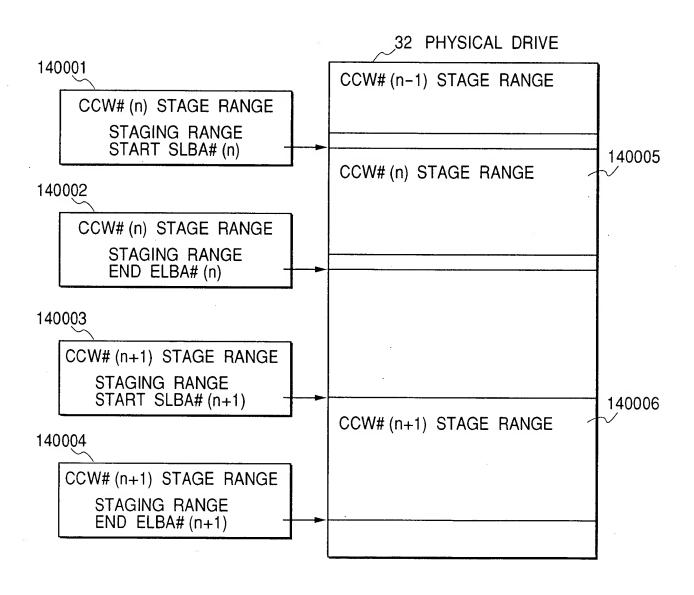
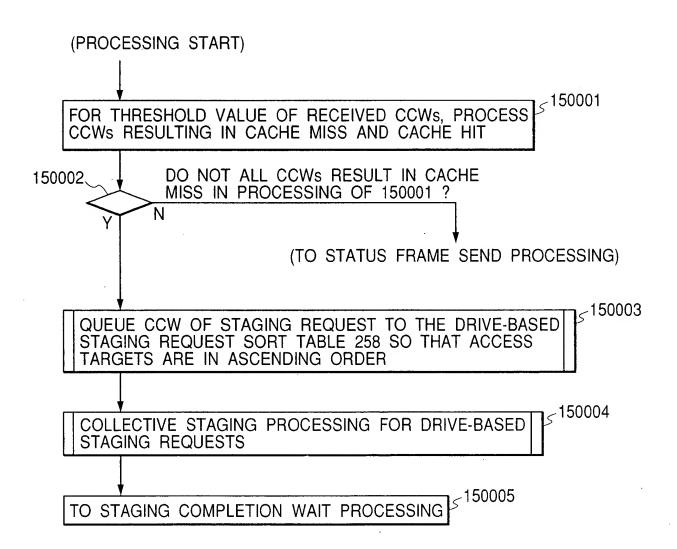
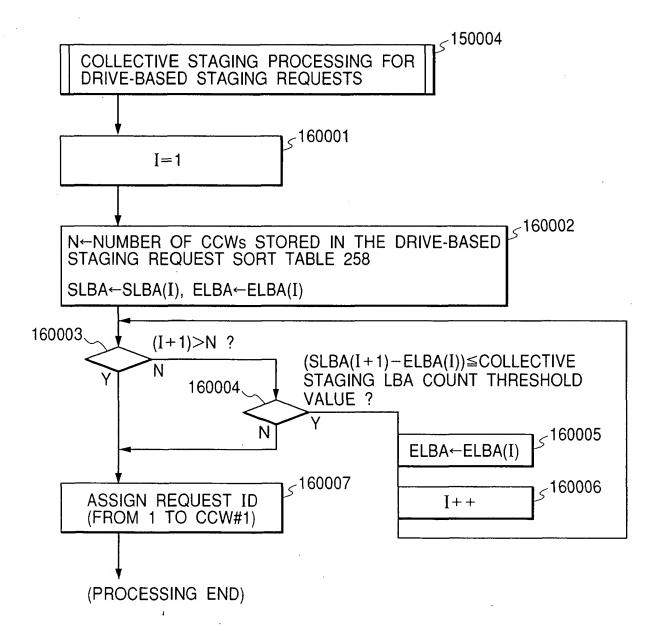


FIG. 14







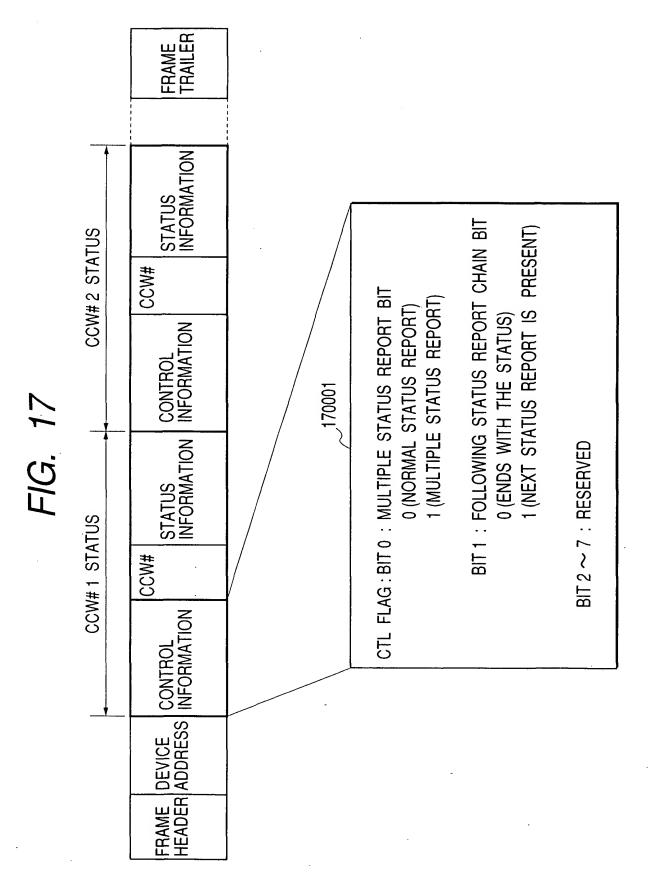


FIG. 18

